### TWENTY THOUSAND DOLLARS FOR A BUG.

The Orange Foe's Destroyer Came High, but Was Worth the Price.

A Queer Australian Insect That Saved a California Industry from Total Extinction.

ITS POWERS LEARNED BY ACCIDENT.

No Danger of the Vedalia's Disappearing, for a Female Becomes Grandmother to Seventy-five Billion in Six Months.

Twenty thousand dollars for a bug! A big price truly; but, though it came high, the government had to have it. Such a sum of money ought to have purchased a good-sized insect, one might think; but this was only a little beetle about onethird of an inch in length. Nevertheless, it was big enough to save many millions of dollars' worth of property.

One of the interesting points about this

bug is that it is a cannibal. It will de-vour its own kind on slight provocation. At the Department of Agriculture, in Washington, there is an incubator house, wherein insects of various species are batched and reared. Some of the \$20,000

were selected, the object being to see whether the imported bugs would attack them or not.

This was the best method, also, of multiplying the imported insects, the conditions being most favorable for their propagation. It amounted to the establishment of batcherles for breeding them in indefinite numbers. Alasi the fly already described was a disappointment. It was ready enough to feed on the scales, but it fired too slowly to be of much service. By an accident, one day nearly all of the vedalla beetles escaped from the tent in which they were confined and promptly "few away home"—that is, to the orange orchards of the neighborhood. It was not deemed a great misfortune, inasmuch as little had been expected of them.

Meanwhile the business of breeding the different species of insects went on though not very hopefully. The bug that was wanted was surely lacking. But strange reports began to come in. Orange growers in the vicinity sent word that something was attacking the scales on their trees; the latter were being wiped out apparently by little bugs that looked like lady bugs.

TRIUMPH OF THE LADY BIRDS.

TRIUMPH OF THE LADY BIRDS. Investigation revealed the fact that the escaped lady birds had multiplied enormously within a few weeks and were gob-biling the scale insects at an astonishing rate. In a short time they actually cleaned the pest out of a number of or-chards, so that there was hardly a scale to be seen. When it is considered that, as was subsequently ascertained, or e fe-male lady bir here. In good at ding be-



THIS IS THE TRAMP COWBIRD.

THIS IS THE \$20,000 BUG.

# "REAL BLACKJACKS" FOR THE NEW WOMAN.

A Pocketbook That Secretes a Powerful Weapon of Defence.

Just the Thing to Protect Herself from Highwaymen and Street "Mashers."

CAN STRIKE A KNOCKOUT BLOW.

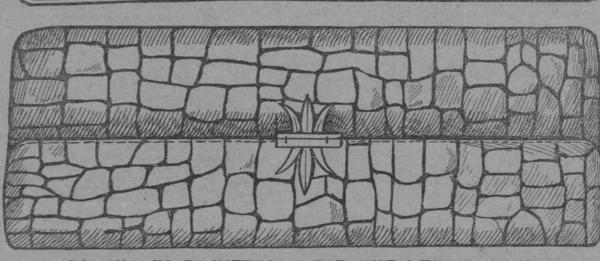
Two Ounces of Lead Swung by a Whale bone Handle and Ready for Instant Use.

At last the new woman is provided with a weapon of defence, by the use of which she may defend herself from highwaymen "mashers," the brute who annoys her in a street car, and the other types of people who contribute so much to feminine mis Every woman may now carry a blackjack," or what the police call a 'billy."

A picture of what the manufacturer is pleased to call "the woman's new defender" is given on this page. The illustra-tions are somewhat smaller than the originals. One of the pictures shows what is, to all appearances, nothing more than one of the long alligator-skin pocketbooks now so much in vogue. The second picture, in which a portion of the interior of the innocent looking purse is shown, reveals the



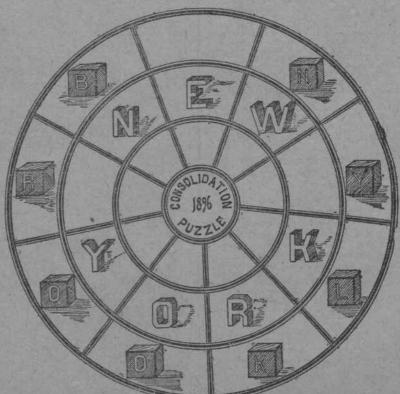
The state of the s



of Seine-et-Oise, not far distant from Paris. Three of the skulls were those of men and nine of women.

The remains found in this neolithic seplture were submitted to the examination of MM. Perrier and Manrouvier, of the Paris Anthropological Society. They stated, after a careful examination, that the scars had evidently been caused by repeated burnings upon the skin of the scalp during life, which had acted upon the outer walls of the skull. These clcatrices were all in exactly the same spot and placed in the same way, the end of the stem of the T commencing always a little above the anterior curve of the

little above the anterior curve of the frontal bone.
This singular coincidence leads the scientists to think that these scars were not the result of chance, but of some curlous rite or custom in vogue in the Silurian age, to which period they agree the skulls belong. This opinion is strengthened by the fact that among the prehistoric skulls preserved in the Ecole de Medicine aere are three of the Silurian age which are marked in precisely the same way. As the three skulls in the School of Medicine



WHAT ARETHE LEAST NUMBER OF MOVES IN WHICH YOU CAN GET BROOKLYA INSIDE OF NEW YORK? MOVING THE LETTERS OF BEOOKLYN ONTO VACANT SPACES. THEY MUST FINISH INSIDE IN THE SAME MELATIVE POSITION AS THEY NOW HOLD OUTS! 6. "NEW YORK" CANNOT BE MOVED OR JUMPED OVER.

A "GREATER NEW YORK" PUZZLE.

# THE TRAMP OF . THE BIRD RACE.

The Idle, Immoral Cowbird Exposed by the Smithsonian Institution.

The Female Lays Her Eggs in Other Birds' Nests and Breaks Their Own Eggs.

SHE AVOIDS THE CARE OF MATERNITY.

The Young Cowbird Is Reared by Foster Parents, Whose Lawful Offspring Usually Starve-Finally He Joins His Own.

The cowbird has just been exposed and held up to the scorn and reprobation of all self-respecting men, beasts and birds by Major Charles Bendire in a paper published by the Smithsonian Institution

This bird is the tramp of the feathered race. He exists by the industry of others, and invades and desecrates their homes, He is idle, shiftless and generally disreputable. Moreover, he leads a life of the most flagrant immorality, which can be said of few birds. Like the true tramp, he is a member of a family found only on the American continent.

It is certain that the cowbird is a very bad egg, but for all that one cannot fall to be tickled by some of his ways, as one is by a certain type of tramp. It is droll to read that when a female cowbird de-posits an egg in the nest of a bird of another family she kicks holes in the eggs of the owner of the nest in order that her own offspring may have more food. The cowbirds, it must be admitted, seem to enjoy their life of idleness and immor-

There are three species of cowbirds in the United States, and all have the habit of laying their eggs in the nests of other birds and letting them perform the duties of hatching, raising and feeding the young. James H. Brown, of the Fort Hall Indian The cuckoo has been known to do the same thing, but does not, like the cowbird,

### PRAIRIE SCHOONERS EXIST

One Made Its Appearance in Indiana the Other Day, Containing a Family of Emigrants from Oklahoma.

Many people suppose that the "prairie schooler" sailed into history about the time of the rush to California, and that the railroads have driven wagons out of existence so far as long overland journeys are concerned. That is quite a mistake, as many of the settlers in the far West can tell. Only a day or two ago a prairie schooner containing a man and his wife and drawn by a pair of travel-worn horses passed through Richmond, Ind., on the way from Okiahoma City to Newark. O. The travellers had alreedy covered 1,700 miles of their journey and had all their household goods in the wagon. They had been on the road since the middle of May, but declared that they had enjoyed the long trip. There is hardly a doubt, however, that the same trip made by rail road would have been much cheaper, con sidering the waste of time and energy involved. and drawn by a pair of travel-worn horses